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Quality Engineering Test Report

SERIES: SKE10A 10W DC-DC SINGLE OUTPUT CONVERTER

SAMPLE: A.SKE10A-05 +5V / 2000mA

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
1	DC INPUT VOLTAGE RANGE	I/P:TESTING SPEC: 9~18VDC O/P:FULL LOAD	A:8.4~18VDC	P
2	LINE REGULATION	I/P:9~18VDC SPEC: ±0.3% O/P:FULL LOAD	A:-0.01%~+0%	P
3	LOAD REGULATION	I/P:12VDC SPEC: ±1% O/P:MIN. TO FULL LOAD	A:-0.01%~+0.02%	P
4	OUTPUT VOLTAGE TOLERANCE	I/P:9~18VDC SPEC: NONE O/P:MIN. TO FULL LOAD	A:-0.02%~+0.02%	P
5	RIPPLE&NOISE	I/P:12VDC SPEC: 50mV O/P:FULL LOAD	A:15mV	P
6	DC INPUT CURRENT	I/P:12VDC SPEC: 1.1A O/P:FULL LOAD	A:1058mA	P
7	O/P VOLTAGE ACCURACY	I/P:12VDC SPEC: ±2% O/P:MIN. LOAD	A:+0.02%	P
8	SET UP TIME	I/P:12VDC SPEC: NONE O/P:FULL LOAD	A:1.0mS	P
9	EFFICIENCY	I/P:12VDC SPEC: 81% TYP O/P:FULL LOAD	A:79.0%	P
10	OVER LOAD PROTECTION	I/P:12VDC SPEC: 160~250% O/P:TESTING	A:172%	P
11	INSULATION RESISTANCE	SPEC:I/P--O/P 500VDC/1000M Ohms MIN.	A:I/P--O/P > 1000M Ohms	P
12	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P-- O/P: 500VDC/ 1 min (10mA CUT-OFF)	A:NO BREAK I/P--O/P :<0.02mA	P
13	BURN-IN TEST	I/P:12VDC O/P:FULL LOAD TA:25 ℃ BURN-IN DURATION : 96 hrs	A:NO BREAK	P
14	TEMPERATURE RISE TEST T rise OF PARTS	A:I/P :12VDC AFTER 96 hrs BURN-IN O/P :FULL LOAD TA:25 ℃		P
15	CONSTRUCTION INSPECTION (FOR QC INSPECTION REFERENCE ONLY)	1. PACKING : 塑膠軌道型包裝 2. MARKING : MODEL LABELx1 3. MECHANICAL : SIX-SIDE SHIELDED CASE, PIN :1.0 Øx7mm		

POSITION	SAMPLE	TEMP	T rise
CASE	SKE10A-05	54.0℃	29.0℃

DATE	SAMPLE	TEST RESULT	TEST	APPROVAL
2000.12.14	SKE-10A-05	PASS	T.K.CHENG	MAX LIN

<table>
<tr><th>NO</th><th>TEST ITEM</th><th>TEST CONDITION / SPECIFICATION</th><th>RESULT</th><th>VERDICT</th></tr>
<tr><td>14</td><td>BURN-IN TEST</td><td>I/P:12VDC O/P:FULL LOAD
TA:25 ℃ BURN-IN DURATION : 4 hrs</td><td>A:NO BREAK</td><td>P</td></tr>
<tr><td>15</td><td>TEMPERATURE RISE
TEST T rise OF PARTS</td><td>A:I/P :12VDC AFTER 4 hrs BURN-IN
O/P :FULL LOAD TA:25 ℃
<table>
<tr><th>POSITION</th><th>SAMPLE</th><th>TEMP</th><th>T rise</th></tr>
<tr><td>CASE</td><td>SKE10A-05</td><td>68.4℃</td><td>43.4℃</td></tr>
</table></td><td></td><td>P</td></tr>
<tr><td>16</td><td>CONSTRUCTION
INSPECTION
(FOR QC INSPECTION
REFERENCE ONLY)</td><td colspan="2">1. PACKING : 以塑膠泡墊保護PIN腳,再以紙盒包裝
2. MARKING : MODEL LABELx1
3. MECHANICAL : SIX-SIDED SHIELD METAL CASE, PIN :1.0 Øx7mm</td><td></td></tr>
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DATE	SAMPLE	TEST RESULT	TEST	APPROVAL
1997.11.08	SKE-10A-05	PASS	T.K.CHENG	MAX LIN
1999.01.27	SKE-10A-12 SKE-10A-15 SKE-10A-24	PASS	T.K.CHENG	MAX LIN

PREVIOUS